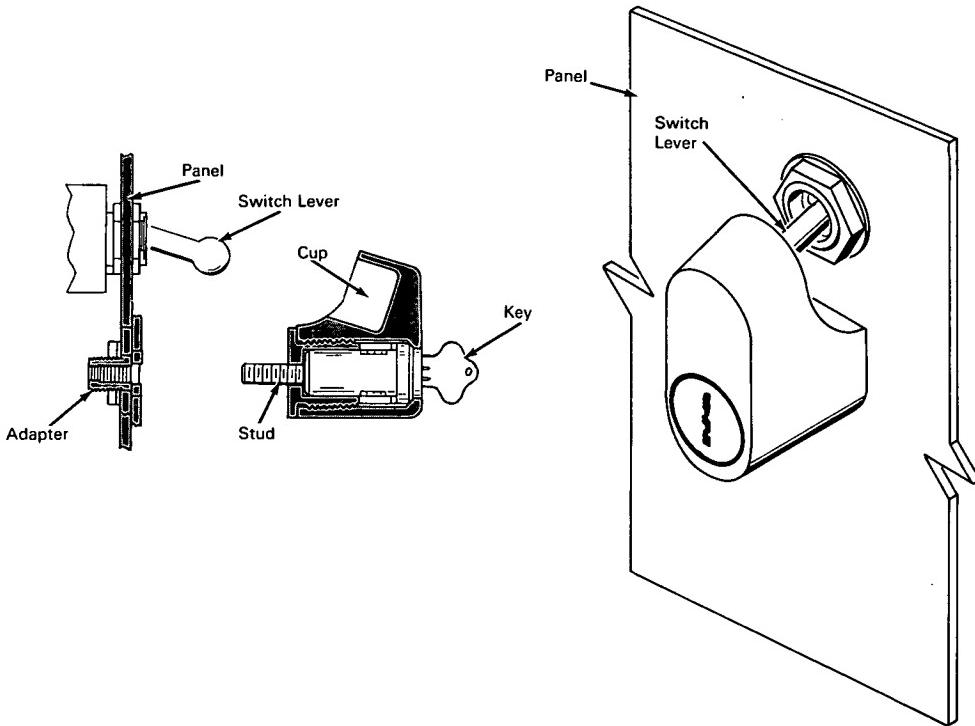


# NASA TECH BRIEF



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## Key-Locked Guard Prevents Accidental Switch Actuation



### The problem:

To design a device that will protect individual switches from accidental actuation.

### The solution:

A switch guard that locks in place on the panel and covers the switch lever.

### How it's done:

The guard assembly consists of a cup to cover the switch lever, a standard screw lock tumbler, and a

stud that mates with a threaded adapter in the panel.

To operate the guard, a key is inserted in the tumbler and the stud is placed in the adapter, with the cup over the switch lever. The key is then turned clockwise, threading the stud into the adapter until the guard is snug on the panel and the key slips from the lock. To remove the guard, the key is inserted in the lock and turned counterclockwise to disengage the stud.

(continued overleaf)

**Note:**

Inquiries concerning this invention may be directed to:

Technology Utilization Officer  
Manned Spacecraft Center  
Houston, Texas 77058  
Reference: B66-10235

**Patent status:**

Inquiries about obtaining rights for the commercial use of this invention may be made to NASA, Code GP, Washington, D.C. 20546.

Source: K. C. Hawthorne  
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(MSC-419)